

2017-04-20 Call with Julian on RI/FS workplan revisions

They are adding a lot of new content to the workplan, especially on the groundwater. Analytical parameters, a lot of mechanical changes occurring in the document. Groundwater will be the main piece with new content. Figures that have been modified with new numbering of locations to cross reference, rationale for proposed sampling locations. Hopefully that will help for us to review the new content.

On the Quarry Pond – the type of device OEPA used was identified, Julian will send the info to the vendor they've been talking to and get thoughts on comparison with proposed new sonar survey, see if that was high-res and what the options are. The image of the drum is pretty clear, maybe there is more hope for underwater camera techniques than they previously thought. More locations, different sampling intervals.

Chrome speciation, dioxin/furan analysis, they will target d/f in areas likely to have it and then step out.

Soil vapor – work is planned to run concurrent with other work, several new probes in OU1, reinstall probes that need to be deeper, at least 2 field monitoring events, see if they need additional gas probes. The TO-15 would come after the phase 1 work.

GW contaminant migration coming from OU1, ERR properties, temp monitoring wells, looking more broadly to the SW at those properties. Identify potential VI issues if shallow VOCs are found. In addition to surface soil samples. May be problem with access – Jim City especially. We'll need to talk to them face-to-face.

Background sampling – they moved the floodplain. In reality, they think they need to be focused on the 0-2' interval. The 2-15' won't be comparable. The floodplain will propose 0-6" and 6" to 2' intervals. The roadside areas and the park areas need to be treated separately, have separate uses. They will have 0-2' interval.

GMR – it just says they will decide what to sample in the GMR after taking this other data.

VAS location added between MW210 plume and trailer park plume, on east side of Globe Equipment property.

On the GW, VOC contour maps for the upper aquifer, reproduced from earlier documents. They will update the maps for the upper and make ones the lower aquifers. Going forward, he thinks they need to look at 3d element in more detail, might need some 3d contouring to be included, may be multiple depths look at slices. After they collect more data they will be able to develop that further.

Use of data boxes on maps: there is too much data for it to be presentable. They will be looking at more focused areas, may be individual exposure units. We talked about doing site-wide maps with a general level of information, such as putting screening level exceedences in a different color, but having data boxes on figures that show smaller portions of the site.

Analytical – QAPP worksheet #15 is being refined further. Chemist is looking at QLs and MDLs and looking at some low level methods to achieve lower limits. They will be refining the worksheet on that basis. Some of the screening levels will be lower than the MDLs, but a lot of them are the SSLs. Groundwater and MCLs – 2 VOCs where that is occurring. 1,2 dibromochloropropane and 1,2-dibromoethane. 0.2 and 0.05 are MCLs. SW-846 doesn't attain those values, but method 8011 is designed to get to the MCL. *Check with Alida on 8011.

PCB analysis – 1668A is a low-level method that provides data for 200 or so congeners. Aroclors are grouped. *Check with OEPA on how to get from congener-specific data to the screening levels that are based on Aroclors.